

## Patent Abstracts of Japan

PUBLICATION NUMBER : 01238984  
PUBLICATION DATE : 25-09-89

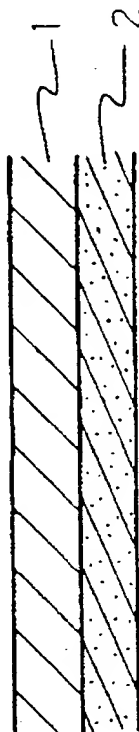
APPLICATION DATE : 22-03-88  
APPLICATION NUMBER : 63067752

APPLICANT : TOPPAN PRINTING CO LTD;

INVENTOR : KURODA KENJIRO;

INT.CL. : B41M 5/26

TITLE : THERMAL TRANSFER RIBBON FOR  
EMBOSSSED PRINTING



ABSTRACT : PURPOSE: To form characters or images having recesses and projections by blending a foaming agent into a thermal transfer layer provided on one side of a base and comprising a heat-fusible composition as a main constituent.

CONSTITUTION: A polyester film, for example, is used as a heat-resistant thin film base 1, and a thermal transfer layer 2 is provided on one side of the film base 1 to produce a thermal transfer ribbon. The thermal transfer layer 2 comprises a wax such as carnauba wax and rice wax or a thermoplastic resin as a main constituent, in which is blended a foaming agent, e.g., sodium hydrogen carbonate, ammonium carbonate, azobisformamide or trihydrazitriazine. The thermal transfer ribbon enables a recorded image to be brought into an embossed state simply by heating after transferring (printing).

COPYRIGHT: (C)1989,JPO&Japio

BEST AVAILABLE COPY